CLAIMS

- 1. A heating device, which is subdivided into several areas, having at least one first area and a second area and is provided with a first excess temperature protection, wherein said first area has a maximum first power and is monitored by said first excess temperature protection and said second area has a maximum surface heating power of approximately 2.5 W/cm² and is operated without monitoring by said first excess temperature protection.
- 2. Heating device according to claim 1, wherein said second area is operated completely without monitoring by excess temperature protection.
- 3. Heating device according to claim 1, wherein said second area engages with said first area at least along half the outer border.
- 4. Heating device according to claim 3, wherein said second area surrounds said first area and said areas are arranged concentrically.
- 5. Heating device according to claim 4, wherein said areas are circular.
- 6. Heating device according to claim 1, wherein said power for said first area is more than the standard basic power for such a type of radiant heater.
- 7. Heating device according to claim 6, wherein said power for said first area is max 2500 Watt in the case of a circular first area with a diameter of 230 mm.
- 8. Heating device according to claim 6, wherein said first area has a switch-in power, which can be switched into said basic power and in a state with said switched-in power said maximum first power is applied.
- 9. Heating device according to claim 1, wherein said power for said second area is 600 Watt.

- 10. Heating device according to claim 1, wherein said excess temperature protection is a rod controller, which at least partly engages over said first area.
- 11. Heating device according to claim 1, wherein there is a control device with an additional contact for switching a basic power or switch-in power to said total, maximum first power for said first area.
- 12. Heating device according to claim 10, wherein there is an electronic control, which has a further relay for switching the switch-in power to said total, maximum first power, in addition to said basic power.
- 13. Heating device according to claim 1, wherein said heating device is a radiant heater with a heating conductor made from resistance material.
- 14. Heating device for a hob with a glass ceramic cooking area, which is subdivided into at least one first area and a second area, wherein one said first area is monitored by a first excess temperature protection and has a maximum first power and said second area is operated without monitoring by said first excess temperature protection and has a maximum surface power of approximately 2.5 W/cm².